TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO. / TASK NO.		JOB ORDER NUMBER		APPROP. FY
	NAS5-	TASK NO. AMENDMENT			
QSS Group, Inc.	99124	166	730-228-12-28	-89	00

TASK TITLE: (NTE 80 characters; include Project name)
EOS-Chem High Rate Digital Eng Support

APPROVALS: (Type or print name and sign)

	DATE	ORG CODE	MAIL CODE	PHONE
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) Steven S. Scott Margaret A. Gallagher Jr	11/3/99	424	424	6-2846
BRANCH HEAD Margaret A. Luce Margaret A. Gallagher Jr	11/3/99	CODE 424		PHONE 6-6527
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) Robert S. Lebair, Jr. Robert S. Lebair Jr	11/4/99	CODE 560		PHONE 6-6588

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? *(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)*	CONTRACTING OFFICER'S QUALITY REP.	DESIGNATED FAM:
[x] NO [ ] YES		

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date: DEC 10 1999

Contractor will develop specification or statement of work under this task for a future procurement. [ ] NO [x] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [ ] NO [ ] YES [ ] N/A

Government Furnished Property/Facilities: [x] NO [ ] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [X] NO [ ] YES If yes: [ ] TOTAL [ ] PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: [x] NO [ ] YES

Highlighted Contract Clauses: *(to be completed by Contracting Officer)*

The effective date of this task shall be January 13, 2000.

INCENTIVE FEE STRUCTURE (check one)
(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	_x_ No. 1	___ No. 2	___ No. 3	___ No. 4	___ No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is $ 246,496 .
The target fee of this task order is $ 2,426 .
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is $ 248,922 .

The maximum fee is $ 3,545 .
The minimum fee is $0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Lorrie L. Eakin — SIGNATURE OF CONTRACTING OFFICER
1/13/00 — DATE
Lorrie L. Eakin Contracting Officer — TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE — DATE

GSFC FORM 703-1845 12/98 (OLDER VERSIONS ARE OBSOLETE)

DISTRIBUTION: CONTRACTOR, CONTRACTING OFFICER, COTR, CODE 303, RESOURCES ANALYST, ASSISTANT TECHNICAL REPRESENTATIVE

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.		
	NAS5-	TASK NO.	AMENDMENT
QSS Group, Inc.	99124		

Applicable paragraphs from contract Statement of Work: 2C

STATEMENT OF WORK:

The contractor shall provide the necessary personnel, facilities, and materials to perform systems digital and electri engineering services for Earth Observing System (EOS) Chemistry instruments, instrument to spacecraft interfaces, and the spacecraft. The contractor shall provide services for OMI Interface Adapter Module box-level development and testing through delivery of the Ozone Monitoring Instrument and OMI IAM delivery to the Observatory for integration and testing with the Spacecraft. The contractor shall provide senior electronic design personnel to participate in EOS-Chemistry Instrument design, deelopment, review and testing. Special attention shall be given to the spacecraft to instrument interfaces that include flight computers and OMI IAM data compression hardware. The contractor shall provide services for the following activities: development of the OMI Instrument Electronics Unit (ELU); development of OMI IAM hardware and software; early integration testing of the OMI IAM to OMI ELU Interfaces (in Finland) and the OMI Bench Test Unit (in the Netherlands); preparation of the OMI IAM and OMI for testing with the EOS Chemistry Observatory, including development of command and telemetry databases and test procedures.

The contractor shall provide digital electronics engineering services for OMI and OMI IAM. Contractor shall provide written reviews of, corrections to, and recommendations for technical documents such as requirements documents design documents, Interface Control Documents, test plans, test procedures, command and telemetry databases, and instrument operational constraints and restrictions. The contractor shall verify and validate telemetry and command databases for the OMI and OMI IAM and shall review, verify, and validate conversion of test procedures and databases written in ASIST into a format compatible with the EPOCH 2000 system used by the Observatory. The contractor shall perform instrument worst cases electrical analyses, failure mode and effects analyses, and sizing and timing analyses.

PERFORMANCE SPECIFICATIONS:

The contractor's monthly status reports shall include significant detailed descriptions of documents reviewed, program activities supported, recommendations made, testing activities supported, and documentation submitted. All documentation, comments, and recommendations submitted by the contractor shall meet the requirements of the EOS Common Spacecraft General Interface Requirements Document (GIRD), the OMI System Unique Instrument Interface Document (UIID), the OMI and OMI IAM Mission Assurance Requirements (MAR), and the OMI IAM Technical Specification.

APPLICABLE DOCUMENTS:

All documentation from EOS-Chemistry library.

TASK END DATE: 10/31/00

MILESTONES/DELIVERABLES AND DATES:

Monthly Technical Progress Report: 15th of the month

PERFORMANCE STANDARDS:

Schedule: On-time delivery of the above deliverable
Technical: ATR's acceptance of the above deliverable

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Steve Scott, building 16W, room N240C